Work Orde June 21, 2010 1	er ID 59965 1:19:15 PM			H				Page 1
Revision ID:	K10019 Bracket Assembly		Accept				Setup Star	
	6/21/10 Start Qty: 1.00		·	Cust Item II Customer:	D :			
Approvals:	Process Plan:	Date: <u> O/G/</u> 2 Date:			te:		Run Star Stop	
Sequence ID/ Work Center II	Operation Description		Set Up/ Run Hours	Tool ID	Tool # Plan	_	Reject Qty	Reject Insp. Number Stamp
Draw Nbr N/A	Revision Nbr Rev N/A		,					
Small Fab	1/-2/-3	ole D2195-1/-2/-3 using MS2047 using MS20470AD4-14 rivet 70AD4-14 rivet	0.00 0.00 70AD4-14 rivet □. □Assemble D2197-	Assemble D2196- 1/-2/-3 using		4	10-07	-23 Pto
QC Quality Control	QC5- Inspect part co	ompleteness to step on W/O	0.00	107/23 5.014/29		<u> </u>)	
120	White Gloss(Ref:4,3	3.5.2) per OS1005 4.3-Steel	0.00					

Powdercoat

START TIME:

□FINISH TIME:
□2195, D2196, D2197*************/∂.'00

BL 10729.

Powder Coating

Memo

0.00

_OVEN TEMPERATURE:

W/O:		WORK ORDER CHANG	GES					
DATE	STEP	PROCEDURE CHANGE	.]	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					•			
	<u> </u>							

Part No: K 10019	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:50	1965	W	ORK OR	DER NON-CONFORMANCE	(NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
10.06.24	100	TE LATEST DWG REV. (D3191-5 MISSING) D3191-1 = OHYZ)		UPDATE PICK KIT. RECOMMEND REMOVING KINDY, ADD D'SIGI-Y to D'SIGZ-USI/OYL WID, CREATE SEPERATE WO FOR D'USS, D'USS, D'USS,			10:06.29 05) 042	Colphy
1007-23	()0	ulan (iveting to together of 2196-1, 2196-2, 2196-3 Pieces together, pivet M520470AD4-14 squished viong upon drilling out all 3 punts were scrapped Life employee enror/ Louhal	losur	SUTUP + CON	4T 1000723	Colostes	psiur	Suclosta
		Transing						

V	Jork	Order	ID	59965
71	OI IN	Oluci		37703

June 21, 2010 1:19:15 PM



Page 2

Item 1D:

K10019

Accept

Setup Start

Stop

Start

Stop



Revision ID:

Item Name:

Bracket Assembly

Start Date:

Required Date: 6/24/10

6/21/10

Start Qty: 1.00 **Req'd Qty:** 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Sequence ID/

Work Center ID

Process Plan:

QC:

Date:

Date:

SPC (Y/N):

Tooling:

Tool ID

Tool # Plan

Date: ____

Date:

Code

Accept Qty

Reject Number

Insp. Stamp

130

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

=) M (0/07/29

Qty

Reject

Run

140

Packaging Packaging

Packaging

0.00

0.00

0021-10/09/2778-mx 10-09-27

W/O: WORK ORDER CHAN					BES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						:			}
				•				-	
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
	Re	esolution:	Disposition	:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	OTED	Description of NC			tion B	Verific	ication Approval	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Secti	ion C	Chief Eng	QC Inspector

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Parent Item:

Comments:

K10019

Parent Item Name: Bracket Assembly



Start Date: 6/21/10 Start Qty: 1.00

Required Date: 6/24/10

Page 1

Required Qty: 1.00

IPP: A 08.07.24 new issue EC verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Status Issued
D2195-1 /		Manufactured	No	Ĺ	B60928 B43299	100	Each	2.0000	1 	12-	(0 - 6	07 - 28
				Location Mezz	40763	<u>Loc (</u>	Oty 2 2	Loc Code			-	
D2195-2 / 		Manufactured	No		360929 B4773	100 	Each	2.0000	1	100	(0-	07-29
				Location		Loc (<u>Oty</u>	Loc Code				
D2195-3		Manufactured	No	Mezz	40761 B609	3 ¹⁰⁰	2 2 Each	1.0000	1 	1	- 10 C	0.07-29 07-23 06222
				Location		Loc	<u>Oty</u>	Loc Code				
D2196-1	 * 1	Manufactured	No	Mezz ·	40762	100	l l Each	3.0000		1	(0^(06 ·2 Z
Stucket				Location		Loc	<u>Qty</u>	Loc Code				
				Mezz	40760		3		-	∞ (_	

W/O:			W	ORK ORDER CHANGE	ES				
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Da	ite Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		•							
Part No	•	PAR #:	Fault Cate	egory:	NCR: Ye	s No	DQA:	Date: _	
	R	esolution:	Disposition	on:	QA: N/C	Closed	d:	, Date: _	
NCR:	·	\	WORK ORE	DER NON-CONFORMA	NCE (NC	CR)		· · · · · · · · · · · · · · · · · · ·	
DATE	STEP	Description of NC		Corrective Action Section		\	/erification	Approval	Approval
DAIE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sigi Da		Section C	Chief Eng	QC Inspector
								<u> </u>	
						1	•		
	1				ļ	1			

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June 21, 2010 1:19:14 PM

Work Order ID: 59965

Parent Item:

D2196-2 🗸

K10019

Parent Item Name: Bracket Assembly

Manufactured

1257

100

Each

3.0000

Start Qty: 1.00

Start Date: 6/21/10

(0-06-22

Bracket

D2196-3

Spacer

Bracket

Bracket

Manufactured

Manufactured

Manufactured

No

No

100

Each

1.0000

Loc Code

Loc Code

10-06-22

Required Date: 6/24/10 Required Qty: 1.00

Location Mezz

Location

Mezz

40832

40764

Loc Qty Each 100

Loc Oty

3 3

7.0000

10-06-22

Location Mezz

60032 XI

19154 40766 3 Each

Loc Oty

Loc Oty

4

100

Loc Code

7.0000

10-06 22

Location Mezz

19154 40767 Loc Code

60033 X1

Dart Ae	rospace	e Ltd							
W/O:			WO	RK ORDER CHANGE	S				
DATE		PRO	CEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
Dart No.		DAD #*	Foult Cate	nonv.	NCP: Voc	No. DO	۸.	Data	
raitivo		esolution:							
NCR:		V	VORK ORDI	ER NON-CONFORMA	NCE (NCF	₹)			
D.4.T.F	0.750	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign a	Sect	ion C	Chief Eng	QC Inspector

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3.

June 21, 2010 1:19:14 PM

Work Order ID: 59965

Parent Item:

K10019

Parent Item Name: Bracket Assembly

Spacer

D2198-1 /

Bracket

Backer Plate

D3191-3 /



Manufactured

Manufactured

Manufactured

Manufactured

100

Each

26.0000

6

10-06-17

Required Date: 6/24/10

Required Qty: 1.00

Location Loc Oty Loc Code Mezz 19154 25 40833

B60036

110 Each

Loc Qty

3 3

Each

14.0000

Start Date: 6/21/10

Start Qty: 1.00

10 -06-17

Location Loc Qty Loc Code ST008 14 14 140 Each 3.0000

B 60030

Location

Mezz

No

40983 140 Loc Code

18.0000

10-06-13

Loc Oty Location 3 Mezz 3 40984 ST042 15 15

Loc Code

W/O:		WORK ORDER CHANGES					
DATE	STEP	Rein change	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10-0702		aidd to pick list D3191-5 as kn DWG D3192 D3191-5 B 60038 x1	RT	100702			
4		punchage					
		·					
	<u> </u>	· ·					

Part No:		_ PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector				
				1 11.2								

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Picklist Print

June 21, 2010 1:19:15 PM

Work Order ID: 59965

Parent Item:

K10019

Parent Item Name: Bracket Assembly



Start Date: 6/21/10

Required Date: 6/24/10

Page 4

Start Qty: 1.00

Required Qty: 1.00

MS20470AD4-14

Purchased

No

140

283.0000 Each

16

16

ET 10-06-23

MS20470AD4-14 Pur

Rivet	

<u>Location</u>	Loc Qty	Loc Code	
ST320	283		
1046	233		- / (6
109059	50		

Duit Aci	OSPUOL	Liu								
W/O:			W	ORK ORDER CHAN	GES					
DATE	STEP	PRO	CEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·								
Part No	:	PAR #:	Fault Cate	gory:	NCR	: Yes I	No DQ	A:	Date: _	
	Resolution:		Dispositio	n:	QA:	N/C Cld	sed:		Date: _	
NCR:	- 100		WORK ORD	ER NON-CONFORM	JANCE	(NCR)			
DATE	STEP	Description of NC			ection B	O: 0		cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng)	Sign & Date		on C	Chief Eng. (QC Inspector
							ļ			
				·						

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ITEM QTY PART NUMBER DESCRIPTION X D2195 BRACKET ASSEMBLY BRACKET 1 D2195-1 BRACKET 8 D2195-2 SPACER D2195-3 9 MS20470AD4-14 RIVET

CZ10/6/22 W10: 59965

D	RE-DESIGN, REF NCR 08-110.			AJS	08.11.25			
С	REDRAW; D2195-3 NOW 0.5" THICK			DRAW; D2195-3 NOW 0.5" THICK CP 03.05.28				
В	RE-DESIGN			JB	93.09.23			
REV.			DESCRIPTION	BY	DATE			
DESIGN		JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA					
DRAWN		AUS						
CHECK	ΞD		DRAWING NO.		REV. D			
MFG. APPR.		En	D2195	:	SHEET 1 OF 3			

APPROVED TITLE SCALE BRACKET DE APPR. NTS COPYRIGHT © 1993 BY DART AEROSPACE LTD

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08.11.25

D

NOTES:
1) MATERIAL:
2) FINISH: POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2195" USING FINE POINT PERMANENT INK MARKER

7) WEIGHT: 1.26 lbs

3



